

## Bazooka BT6014

# Bazooka BT6014 BT Series 6-Inch 4 Ohm 100-Watt Passive Tube Subwoofer User Manual

Model: BT6014 | Brand: Bazooka

## 1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Bazooka BT6014 BT Series 6-Inch 4 Ohm 100-Watt Passive Tube Subwoofer. The BT6014 is designed to enhance the low-frequency audio output in vehicles, particularly those with limited space. Its compact design allows for installation in various challenging locations, such as behind seats or panels, without significantly compromising cargo space.

## 2. PRODUCT FEATURES

The Bazooka BT6014 incorporates several design elements to deliver effective bass performance:

- **High-Efficiency Woofer:** Customized and reinforced specifically for use within the Bazooka Bass Tubes enclosure, ensuring pure piston action and maximum bass output.
- **Protective Grill:** A durable grill protects the subwoofer from accidental damage, common in cargo areas.
- **Lightweight Foam Edge Roll:** Features large, high-excursion, lightweight foam edge rolls to maximize efficiency and overall bass output.
- **Patented Tube Enclosure:** Utilizes a natural pressure vessel design to create a uniform, hydraulic transfer of bass energy.
- **Optimized Port Design:** The port opening and port tube are engineered for efficient bass transfer, employing "Bass Reflex" technology to time-align forward and backward woofer motion for concentrated output.
- **Acoustic Damping Fiber:** Internal acoustic damping material helps lower the enclosure's resonance and simulates an increased air space for improved performance.
- **Robust Terminal Plate:** Equipped with oversized nickel-plated thumb screw terminals for secure and convenient wiring, compatible with banana plug connectors and heavy gauge wire.
- **Corner Loading Optimization:** Designed to leverage the natural amplification characteristics of a vehicle's corners, significantly increasing bass performance.

### 3. SPECIFICATIONS

Model Name	BT6014
Speaker Type	Subwoofer
Subwoofer Diameter	6 Inches
Power Handling (Max)	100 Watts
Impedance	4 Ohms
Sensitivity	100 dB
Frequency Response	35 Hz - 250 Hz
Recommended Power	6-100 watts/channel
Voice Coil Size	1.5" high power/high temp.
Magnet Weight	20 oz.
Dimensions (H x W x L)	8" x 6.750" x 18.5"
Item Weight	10.94 Pounds
Connectivity Technology	Wired
Mounting Type	Strap Mount
Color	BLACK
UPC	617407414080, 607520008969

### 4. WHAT'S IN THE BOX

Upon unpacking, please ensure all the following items are present:

- Bazooka BT6014 Passive Tube Subwoofer
- Wiring Harness
- Installation Hardware (straps for mounting)
- Instruction Manual (this document)

### 5. SETUP AND INSTALLATION

The BT6014 is a passive subwoofer and requires an external amplifier for operation. Proper installation is crucial for optimal performance and safety. It is recommended that installation be performed by a qualified professional.

#### 5.1. Placement Considerations

The Bazooka Bass Tubes enclosures are optimized for corner loading. Placing the subwoofer in a corner of your vehicle (e.g., trunk, behind a seat) can significantly amplify its bass output. Ensure the subwoofer is positioned securely to prevent movement during vehicle operation.

## 5.2. Mounting

The BT6014 includes straps for secure mounting. These straps allow for quick removal if additional cargo space is needed. For a more permanent installation, optional Chrome-Plated UMS Brackets may be used (sold separately).



Figure 1: Front view of the Bazooka BT6014 Passive Tube Subwoofer, showing the speaker grill and cylindrical enclosure.

## 5.3. Wiring Connections

Connect the subwoofer to a suitable amplifier using the provided wiring harness or appropriate gauge speaker wire. The terminal plate features oversized nickel-plated thumb screw terminals, designed to accommodate heavy gauge wire and banana plug connectors for a secure connection.



Figure 2: Rear view of the Bazooka BT6014 Passive Tube Subwoofer, showing the terminal plate for wiring connections.

**Important: Ensure the amplifier's output impedance matches the subwoofer's 4-ohm impedance. Incorrect impedance matching can damage both the amplifier and the subwoofer.**

## 6. OPERATING INSTRUCTIONS

Once installed and wired correctly, the subwoofer will operate in conjunction with your car audio system and external amplifier. Adjustments to bass output, crossover frequencies, and gain levels should be made on your amplifier or head unit.

### 6.1. Amplifier Settings

- **Gain:** Start with the amplifier gain at its minimum setting. Gradually increase the gain until the desired bass level is achieved without distortion.
- **Low-Pass Filter (LPF):** Set the LPF on your amplifier to filter out high frequencies from reaching the subwoofer. A common starting point is between 80 Hz and 120 Hz. Adjust to blend smoothly with your main speakers.
- **Bass Boost:** Use bass boost sparingly, if at all, as excessive boost can lead to distortion and potential damage.

Refer to your amplifier's instruction manual for detailed information on its specific settings and adjustments.

## 7. MAINTENANCE

To ensure the longevity and optimal performance of your Bazooka BT6014 subwoofer, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the enclosure. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check all wiring connections to ensure they are secure. Inspect the subwoofer cone and surround for any signs of damage.
- **Environmental Protection:** Protect the subwoofer from extreme temperatures, direct sunlight, and moisture. While the product is robust, it is not waterproof.
- **Secure Mounting:** Ensure the mounting straps or brackets remain tight to prevent the subwoofer from shifting during vehicle movement.

## 8. TROUBLESHOOTING

If you experience issues with your subwoofer, consult the following troubleshooting guide before seeking professional assistance:

### 8.1. No Sound from Subwoofer

- **Check Power:** Ensure the amplifier connected to the subwoofer is powered on and receiving power from the vehicle's electrical system.
- **Verify Connections:** Confirm all wiring connections between the amplifier, subwoofer, and head unit are secure and correctly polarized (+ to + and - to -).
- **Amplifier Settings:** Check the amplifier's gain, crossover, and input settings. Ensure the gain is not set to minimum and the LPF is enabled.

- **Head Unit Output:** Confirm the head unit's subwoofer output (if applicable) is enabled and volume is turned up.

## 8.2. Distorted or Unclear Bass

- **Gain Too High:** Reduce the amplifier's gain setting. Excessive gain can cause clipping and distortion.
- **Crossover Settings:** Adjust the amplifier's LPF. If set too high, the subwoofer may be playing frequencies it's not designed for, leading to distortion.
- **Bass Boost:** If enabled, reduce or disable bass boost on the amplifier or head unit.
- **Loose Connections:** Check for any loose wiring connections that could cause intermittent signals or distortion.
- **Damaged Woofer:** Inspect the subwoofer cone and surround for any physical damage.

## 8.3. Weak Bass Output

- **Gain Too Low:** Gradually increase the amplifier's gain setting.
- **Phase Setting:** Some amplifiers or head units have a phase switch (0°/180°). Experiment with both settings to see which produces stronger bass, as it depends on the vehicle's acoustics and speaker placement.
- **Crossover Setting:** Ensure the LPF is not set too low, which might filter out too much of the desired bass frequencies.
- **Subwoofer Placement:** Re-evaluate the subwoofer's placement. Corner loading can significantly improve bass output.

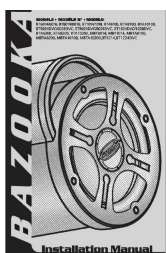
## 9. WARRANTY AND SUPPORT

The Bazooka BT6014 BT Series 6-Inch 4 Ohm 100-Watt Passive Tube Subwoofer comes with a Limited Warranty. Please refer to the warranty card included with your product for specific terms, conditions, and duration of coverage. For technical support or warranty claims, please contact Bazooka customer service through their official website or authorized service centers.

For additional information and support, visit the official Bazooka website: [www.bazooka.com](http://www.bazooka.com)






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### Related Documents - BT6014



#### [Bazooka Subwoofer Installation Manual: Models, Wiring, and Specifications](#)

Comprehensive installation manual for Bazooka subwoofer speaker systems, covering model features, placement recommendations, wiring diagrams, technical specifications, troubleshooting, and warranty information.

	<p><a href="#">PROAIM BZ-CRNK-01 Cranked Telescopic Bazooka Assembly Manual   16.8"-24" Range</a></p> <p>Detailed assembly manual for the PROAIM BZ-CRNK-01 Cranked Telescopic Bazooka, a professional camera support system with a 16.8 to 24 inch height range, covering setup, features, and warranty information.</p>
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	<p><a href="#">Bazooka Subwoofer Installation Manual: Models BTA6250D, BTA8250D, BTA10250D</a></p> <p>Comprehensive installation manual for Bazooka car subwoofers, covering placement, mounting, wiring, specifications, features, troubleshooting, and warranty information for models BTA6250D, BTA8250D, BTA10250D, BTA8250D-DE, and BTA10250D-DE.</p>
	<p><a href="#">Bazooka BTA Series Amplified Tube Installation Manual</a></p> <p>Installation manual for Bazooka BTA Series amplified tube subwoofer speaker systems, covering models BTA6250D, BTA8250D, BTA10250D, BTA8250D-DE, and BTA10250D-DE. Includes helpful hints, vehicle and boat placement recommendations, mounting instructions, wiring diagrams, specifications, features, troubleshooting, and warranty information.</p>
	<p><a href="#">BAZOOKA TUBE 1200: Portable Super Sack Transfer System - Operating Manual</a></p> <p>Comprehensive operating manual for the DSS Bazooka Tube 1200, a portable system for transferring super sacks to trucks or rail cars. Includes setup, operation, loading, maintenance, electrical, and parts information.</p>

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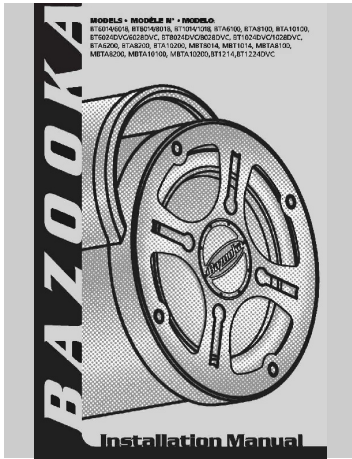
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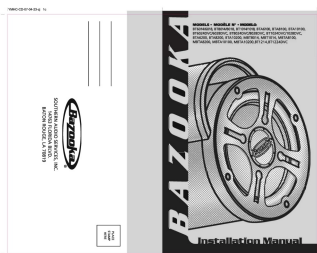


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